



## Environmental Leader Facility

### PPG INDUSTRIES

### Lake Charles, LA



PPG Industries, Inc. is a major manufacturer of commodity chemicals, employing approximately 1,450 people. The major products are chlorine, caustic and chlorine derivatives including ethylene dichloride, perchloroethylene, trichloroethylene, and vinyl chloride monomer. Additionally, silica products are produced at the facility. In 1999, PPG received a Governor's Environmental Leadership Award for Community Environmental Outreach for its Naturelab – A Classroom in the Woods, a project of the PPG Lake Charles Wildlife Habitat Committee.

### Pollution Prevention Highlights

- 1987-2000 – 81 percent decrease in TRI emissions to the air
- 1987-2000 – 82 percent decrease in TRI emissions in waste disposal
- 1987-2000 – 95 percent decrease in TRI emissions to the water
- 2000 – Governor's Environmental Leadership Award for recovering 1,900 tons of new generation refrigerant product that were previously vented to incineration.
- 1999 – Governor's Environmental Leadership Award for eliminating 6,700 tons per year of solid waste by improvements to the manufacturing process for precipitated silica products.
- 1998 – Governor's Environmental Leadership Award for reducing 4,500 tons per year of hazardous waste generation by process improvements involving both recycle and recovery of chlorinated hydrocarbons.
- 1987 - 1994 – Achieved greater than 90 percent voluntary reduction of EPA Hazardous Air Pollutants.

### Pollution Prevention Goals

WASTE STREAM	BASELINE YEAR	CURRENT YEAR QUANTITY	TARGET YEAR QUANTITY	COMMENTS
Process wastes from silicas (tons/yr)	1995 5,302	2001 2,567	2002 1,925	Plans to identify sources of tank waste, recover and reclaim spilled product, and use product in non-typical manner
Process wastes from chlorine derivatives (tons/yr)	1999 27,168	2001 23,591	2002 24,166	Continue efficient operation and minimize off-site waste disposal
Chlor/alkali Hg waste (tons/yr)	1999 217	2001 349	2002 300	Significantly more maintenance activities generating debris waste
Combined process wastes from chlor/alkali (tons/yr)	2000 6,677	2001 5,735	2002 2,226	Major customer equipment failure reduced their use of hydrogen
Treatment chemicals for chlor/alkali plant (tons/yr)	2000 20,319	2001 17,593	2002 15,357	Continue to minimize use of water treatment with better equipment and heightened awareness of chemical need

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